IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Thrift, et al.	Art Unit:	2308
Serial No.:	(Divisional of 08/419,229)	Examiner:	Chawan, V.
Filed:	herewith	Docket No.:	TI-20205.1
For:	Voice Activated HyperMedia Systems Using Grammatical Metadata		

PRELIMINARY AMENDMENT

March 16, 2001

Assistant Commissioner for Patents

Washington, DC 20231
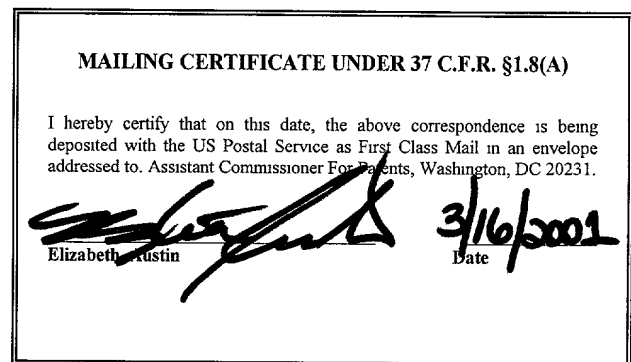
Dear Sir:

Please enter the following amendment prior to examination of the above-referenced application:

IN THE TITLE OF THE INVENTION:

Change "Voice Activated HyperMedia Systems Using Grammatical Metadata" to instead be --Voice Activated Apparatus for Accessing Information on the World Wide Web--.

CLAIMS AS AMENDED - marked up copy:

Cancel Claims 1-19.

Please add the following new claims:

20. An apparatus, comprising:

a speech user agent, and;

a browsing module for the world wide web being responsive to said speech user agent, said speech user agent facilitating voice activiation of said brousing module to access an information resource on the world wide web.

21. The apparatus of Claim 20, wherein said access of said information resource is accomplished in part through use of a grammar embedded in said information resource.

22. The apparatus of Claim 21, further including a means for processing the verbal directions of a user based on said grammar.

23. The apparatus of Claim 22, further including a means for returning a result of said verbal directions to said user.

24. The apparatus of Claim 21, wherein said information resource is an HTML page.

25. The apparatus of Claim 20, further including an instructional module for communicating allowed actions by a user.

26. The apparatus of Claim 21, wherein said embedded grammar is a smart page grammar.

27. The apparatus of Claim 21, wherein said embedded grammar is a reference to a grammar located in said information resource.

28. The apparatus of Claim 21, wherein said grammar is dynamically added to a speech recognizer.

29. The apparatus of Claim 22, wherein said actions come from a speech recognizer.

30. The apparatus of Claim 20, further including a means for extracting a grammar from a hypermedia source on said information resource for future reference to said source.

31. The apparatus of Claim 31, further including a means for automatically producing an intelligent grammar from said information resource.

32. The apparatus of Claim 32, further including a means for processing said grammar to produce a reference to said hypermedia source.

33. The apparatus of Claim 20, wherein said apparatus further includes a means for tokenizing a title for addition into said grammar.

34. The apparatus of 20, wherein said apparatus includes a means for dynamically adding said grammar to a speech recognizer.

35. An apparatus, comprising:

a speech user agent for accessing a browsing module for the world wide web, said speech user agent facilitating voice activation of said brousing module to access an information resource on the world wide web.

36. A method, comprising:

embedding voice activated control information in HTML pages as delivered on the World Wide Web, wherein said voice control information is encoded in a grammar language and is interpreted by a Web client user-agent that translates user utterances into client actions.

CLAIMS AS AMENDED - clean copy:

20. An apparatus, comprising:

a speech user agent, and;

a browsing module for the world wide web being responsive to said speech user agent, said speech user agent facilitating voice activiation of said brousing module to access an information resource on the world wide web.

21. The apparatus of Claim 20, wherein said access of said information resource is accomplished in part through use of a grammar embedded in said information resource.

22. The apparatus of Claim 21, further including a means for processing the verbal directions of a user based on said grammar.

23. The apparatus of Claim 22, further including a means for returning a result of said verbal directions to said user.

24. The apparatus of Claim 21, wherein said information resource is an HTML page.

25. The apparatus of Claim 20, further including an instructional module for communicating allowed actions by a user.

26. The apparatus of Claim 21, wherein said embedded grammar is a smart page grammar.

27. The apparatus of Claim 21, wherein said embedded grammar is a reference to a grammar located in said information resource.

28. The apparatus of Claim 21, wherein said grammar is dynamically added to a speech recognizer.

29. The apparatus of Claim 22, wherein said actions come from a speech recognizer.

30. The apparatus of Claim 20, further including a means for extracting a grammar from a hypermedia source on said information resource for future reference to said source.

31. The apparatus of Claim 31, further including a means for automatically producing an intelligent grammar from said information resource.

32. The apparatus of Claim 32, further including a means for processing said grammar to produce a reference to said hypermedia source.

33. The apparatus of Claim 20, wherein said apparatus further includes a means for tokenizing a title for addition into said grammar.

34. The apparatus of 20, wherein said apparatus includes a means for dynamically adding said grammar to a speech recognizer.

35. An apparatus, comprising:

a speech user agent for accessing a browsing module for the world wide web, said speech user agent facilitating voice activation of said brousing module to access an information resource on the world wide web.

36. A method, comprising:

embedding voice activated control information in HTML pages as delivered on the World Wide Web, wherein said voice control information is encoded in a grammar language and is interpreted by a Web client user-agent that translates user utterances into client actions.

REMARKS

Claims 20-36 are pending in this application. Applicants respectfully submit that Claims 20-36 are allowable over the references cited in the parent application. If the Examiner has any questions or other correspondence regarding this application, Applicants request that the Examiner contact Applicants' attorney at the below listed telephone number and address.

Respectfully submitted,

Ronald O. Neerings
Reg. No. 34, 227
Attorney for Applicants

TEXAS INSTRUMENTS INCORPORATED
P.O. BOX 655474, M/S 3999
Dallas, Texas 75265
972/917-5299
Fax: 972/917-4417 or 917-4418